

FROM : AUBEL

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Feb. 09 2004 11:51AM P1

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To:

United States Patent and Trademark Office

Fax #:

703-872-9306 (Mail Stop Petition)

Date:

09 February 2004

Enclosures:

1. Petition 37 CFR 1.137(f) -2 pages
  2. Fee Transmittal form authorizing charge to Acct. No. 01-2783
  3. copy of international filing cover sheet
- Total 4 pages + this cover sheet

Notes:

PTO/SB/64a (11-03)

Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED  
FOR FAILURE TO NOTIFY THE OFFICE OF A FOREIGN OR INTERNATIONAL  
FILING (37 CFR 1.137(f))**

Docket Number (Optional)

First named inventor: Keith S. Manson

Application No.: 09/883,693

Art Unit: 2641

Filed: 06/18/2001

Examiner: Patrick Edwards  
transferred to  
Richard Dorvil  
assigned to  
Lamont SpoonerTitle: Computer system with natural  
language to machine language  
translator

Attention: Office of Petitions

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

FAX: (703) 872-9306

Application not due to be  
first examined till 01/04/04NOTE: If information or assistance is needed in completing this form, please contact Petitions  
Information at (703) 305-9282.The above-identified application became abandoned pursuant to 35 U.S.C. 122(b)(2)(B)(iii) for failure to timely notify the  
Office of the filing of an application in a foreign country or under a multinational international treaty that requires  
publication of applications eighteen months after filing. The date of abandonment is the day after the expiration date of  
the forty-five (45) day period set in 35 U.S.C. 122(b)(2)(B)(iii).PURSUANT TO 37 CFR 1.137(f), APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION  
UNDER 37 CFR 1.137(b)

## 1. Petition fee

☒ Small entity-fee \$ 665.00 (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.☐ Other than small entity - fee \$ \_\_\_\_\_ (37 CFR 1.17(m))

## 2. Notice of Foreign or International Filing (35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c))

Subsequent to the filing of the above-identified application, an application was filed in another country, or under  
a multinational international treaty (e.g., filed under the Patent Cooperation Treaty), that requires publication of  
applications eighteen months after filing. The filing date of the subsequently-filed foreign or international  
application is 12/06/0212 June 2002

[Page 1 of 2]

This collection of information is required by 37 CFR 1.137. The information is required to obtain or retain a benefit by the public which is to file (and by the  
USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete,  
including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments  
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and Trademark Office, U.S. Department of Commerce, P.O. 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS  
ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/64a (11-03)

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**STATEMENT:** The entire delay in filing the required notice of a foreign or international filing from the due date for the required notice until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.  
[NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D))].

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

09/Feb/2004  
Date  
Telephone  
Number: 847-634-8923

Leo J. Aubel  
Signature  
Leo J. Aubel (Reg. No. 18,382)  
Typed or printed name  
111 Rivershire Lane  
Address  
Lincolnshire, Illinois 60069

Enclosures: ☐ Fee Payment  
☐ Additional sheets containing statements establishing unintentional delay  
☒ Other: Authorization to charge fee of \$665.00 to  
Patent Office Account No. 01-2783 (Aubel), and also  
copy of international publication cover sheet

**CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]**

I hereby certify that this correspondence is being:

☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

☒ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306.

09/Feb/04  
Date

Leo J. Aubel  
Signature

Leo J. Aubel  
Type or printed name of person signing certificate

[Page 2 of 2]

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 665.00

## Complete if Known

Application Number	09/883,693
Filing Date	06/18/2001
First Named Inventor	Keith S. Manson
Examiner Name	Dorvil R., Spooner L.
Art Unit	2641
Attorney Docket No.	

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number

01-2783

Deposit Account Name  
Leo J. Aubel

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	665.00
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(s))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 665.00

## SUBMITTED BY

Name (Print/Type)	Leo J. Aubel	Registration No. (Attorney/Agent)	18,382	Telephone	847-634-8923
Signature		Date	09 Feb. 2004		

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## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
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27 December 2002 (27.12.2002)

PCT

(10) International Publication Number  
WO 02/103555 A2

- (51) International Patent Classification<sup>7</sup>: G06F 17/28
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- (30) Priority Data:  
09/883,693 18 June 2001 (18.06.2001) US
- (71) Applicant (for all designated States except US):  
PIPEDREAM METASYSTEMS, INC. [US/US];  
1288 Columbus Avenue #153, San Francisco, CA 94133 (US).
- (71) Applicant (for MG only): HOWE, Steven [GB/GB]; 36 Longacre, Chelmsford, Essex CM1 3BJ (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): MANSON, Keith, S. [US/US]; P.O. Box 8406, Berkeley, CA 94707 (US).
- (74) Agent: HOWE, Steven; Lloyd Wise, Tregear & CO., Commonwealth House, 1-19 New Oxford Street, London WC1A 1HW (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GI, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPUTER SYSTEM WITH NATURAL LANGUAGE TO MACHINE LANGUAGE TRANSLATOR

(57) Abstract: Presented is a system and method for converting or translating expressions in a natural language such as English into machine executable expression in a formal language. This translation enables a transformation from the syntactic structures of a natural language into effective algebraic forms for further exact processing. The invention utilizes algorithms employing a reduction of sequences of terms defined over an extensible lexicon into formal syntactic and semantic structures. This term reduction incorporates both syntactic type and semantic context to achieve an effective formal representation and interpretation of the meaning conveyed by any natural language expression.

WO 02/103555 A2